

IN THE CLAIMS

1. (presently amended) A method for scheduling communication between a plurality of components coupled to at least one communication medium and at least one scheduling processor comprising the steps of:
initiating a transfer by said scheduling processor sending a transfer command to a first component;
transferring data from said first component to a second component over said communication medium;
said second component notifying a third component ~~by said second component~~ upon completion of said transferring data step;
wherein said transfer command to said first component identifies said second and said third components.
2. (presently amended)The method of claim 1 wherein further comprising the steps of: ~~said transfer command is sent by a schedule processor~~
initiating another transfer by said scheduling processor sending a transfer command to a fourth component;
transferring data from said fourth component to a fifth component;
said fifth component notifying a sixth component upon completion of said transferring data step;
wherein said transfer command to said fourth component identifies said fifth and said sixth components.
3. (presently amended)The method of claim 2 wherein said components include a microprocessor and said method further comprises the step of ~~wherein said schedule processor further comprises:~~
said a microprocessor executing program code.

4. (presently amended) A method of controlling system operation between a plurality of components coupled to at least one communication medium and at least one scheduler comprising the steps of:
said scheduler sending a first command to a first component to transfer data over said communication medium;
said scheduler sending a second command to a second component to transfer data over said communication medium;
notifying said second component upon completion of said first command;
initiating execution of said second command upon completion of said notifying step.
5. (original) The method of claim 4 wherein said sending a first command and said sending a second command step can occur in any order.
6. (presently amended) The method of claim 5 wherein said method further comprises the step of: sending a first command and said sending a second command are performed by a scheduler
said scheduler deciding an order to send said first command and said second command and creating a chained sequence of transfers.
7. (presently amended) The method of claim 6 wherein said scheduler includes further comprises a microprocessor executing a program and said method further comprises the step of:
said microprocessor executing a program.
8. (presently amended) A method of controlling system operation between a plurality of components coupled to at least one communication medium and at least one scheduler comprising the steps of:
receiving a first command from said scheduler by a first component to transfer data over said communication medium;
receiving a second command from said scheduler by a second component to transfer data over said communication medium;

performing said first command;
notifying said second component upon completion of said performing step; and
initiating said second command upon completion of said notifying step.

9. (original) The method of claim 8 wherein said receiving a first command, said receiving a second command, and said performing steps can occur in any order.
10. (presently amended) The method of claim 9 further comprising the steps of:
 - sending said first command by said a scheduler; and
 - sending said second command by said scheduler
11. (presently amended) The method of claim 10 wherein said scheduler includes further comprises a microprocessor executing a program and said method further comprises the step of:
said microprocessor executing a program.
12. (presently amended) A method of controlling a system including a plurality of components coupled to at least one communication medium and at least one scheduler comprising the steps of:
said scheduler receiving transfer requests from requesting components;
said scheduler constructing a transfer command for each of said transfer requests by a scheduler;
said scheduler sending said transfer commands to said requesting components a first component;
wherein said transfer command further comprises;
(a) a destination address identifying a destination second component; and
(b) a notification address identifying an acknowledge third component.
13. (presently amended) The method of claim 12 wherein said scheduler includes further comprises a microprocessor executing a program and said method further comprises the step of:

said microprocessor executing program code.

14-25. (cancelled).

26. (new) The method of claim 2 further comprising the steps of:
said scheduling processor deciding an order to perform said transfers; and
creating a chained sequence of said transfers.

27. (new) The method of claim 3 further comprising the steps of:
said scheduling processor deciding an order to perform said transfers; and
creating a chained sequence of said transfers.

28. (new) The method of claim 12 further comprising the steps of:
said scheduling processor deciding an order to perform said transfers; and
creating a chained sequence of said transfers.

29. (new) The method of claim 1 wherein:
said transfer command is communicated over a first medium; and
said transferring step is performed over a second medium.

30. (new) The method of claim 4 wherein:
said step of sending a first command is communicated over a first medium; and
said step of sending a second command is communicated over a second medium.

31. (new) The method of claim 4 further comprising the step of:
transferring data from said first component over a first medium; and
wherein said step of sending a first command is communicated over a second medium.

32. (new) The method of claim 6 wherein:
said step of sending a first command is communicated over a first medium; and
said step of sending a second command is communicated over a second medium.

33. (new) The method of claim 6 further comprising the step of:
transferring data from said first component over a first medium; and
wherein said step of sending a first command is communicated over a second medium.
34. (new) The method of claim 8 wherein:
said first command is communicated over a first medium; and
said step of performing said first command is performed over a second medium.
35. (new) The method of claim 10 wherein:
said first command is communicated over a first medium; and
said step of performing said first command is performed over a second medium.
36. (new) The method of claim 12 further comprising the step of:
transferring data from said requesting components over a first medium; and
wherein said step of sending said transfer commands is performed over a second medium.
37. (new) The method of claim 12 further comprising the step of:
transferring data from said requesting components over a first medium; and
wherein said step of sending said transfer commands is performed over a plurality of
second mediums.